



Pump specifications:

Type	.BA100E D265
	.265 m3/hour (1166 US GPM)
Max. pressure	.35 mwc (117 ft.)
Connections	.DN100 (4")
Solids handling	.80 mm (3,15")
Impeller type	.Semi-open impeller
Priming system	.BBA MP50
Engine	.Perkins 404D-22
Emission compliant	.Stage IIIA
Canopy	.M10-23X
Sound level	
Dry weight	.1600 kg (3527 lbs.)

FEATURES

BA auto prime pump

The BA range of pumps has been designed with a clear focus on reliability, efficiency and durability. Featuring a 100% mechanical priming system, the BA series pumps quickly prime and re-prime, even from dry conditions. The heavy build style of both pump and canopy make the BA range perfect for use in the strenuous contractor market.

World-class performance

The BA range is built to be deployed on the most demanding dewatering and sewage bypassing applications. Using high efficiency pumps and state-of-the-art diesel engines, the pumps offer maximum performance at minimal cost, fully in-sync with the company philosophy of "Lowest cost of ownership".

Sustainability

- High efficiency pumps minimising fuel consumption
- Corrosion free hot dip galvanized canopy
- Corrosion free composite door panels
- 100% Oil-spill free priming system
- Fully bunded unit eliminating fuel/oil spills at all times

Complete package designed & built by BBA Pumps

- Complete in-house design & production
- Over 60 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

After sales service & product support

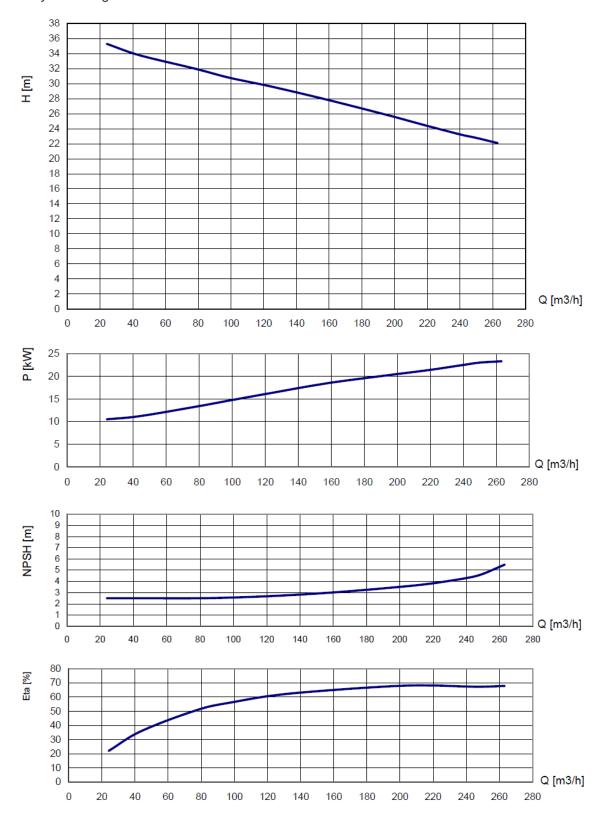
- Single supplier for parts, spares & accessories
- Dedicated customer help-desk (24h service)
- Dedicated service department in-house
- Global parts distribution network
- Optional global on-site servicing
- Extensive training options available (technical & commercial), on-site or in-house





PERFORMANCE CURVES (1800 RPM)

Continuous duty according ISO 9906







STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type......BA100E D265

Max. flow......265 m³/hour (1166 US GPM)

Impeller Chrome Moly 42CrM04

Self-cleaning wear plate Chrome Moly 42CrM04 (cutter slots)

Pump shaft......42CrV6

Shaft seal.....Mechanical seal

Seal facesTung/Sic Seal rubberViton



Pump type.....BBA MP50 Diaphragm pump

Air handling capacity50 m³/h (30 CFM) Max. vacuum8.5 m (29 inHg)

DriveToothed belt (continuous drive)

Float boxAluminium

Non return valveCast iron GG25

Check valve disc.....Buna-N

Engine

Displacement......2.2 I

Number of cylinders.....4

Cooling systemWater cooled

Emission level......Stage IIIA – Tier 4i equivalent

BBA dashboard LC20

- Auto start/stop system
- Two float switches included (10m cable)
- Switch Manual-0-Auto
- Tachometer
- Hour counter
- Warning lights "oil and engine temperature"
- Warning light "auto stand-by"

Fuel system

- PE fuel tank 300 L. net (80 US gallons)
- Fuel gauge on tank
- Mechanical fuel injection system
- Fitted with water separator & extra in-line fuel filter







Electrical system & safety features

- Premium quality battery
- Low oil pressure shut down
- High temperature shut down







CANOPY M10-23X

BBA sound attenuating canopy

Canopy type......M10-23X

Dimensions L x W x H2270 x 1050 x 1595 mm Dimensions L x W x H89.4 x 41.3 x 62.8 inch Basic frame.....Hot dip galvanized

Fuel tank autonomy40 hours (at 1800 rpm BEP)

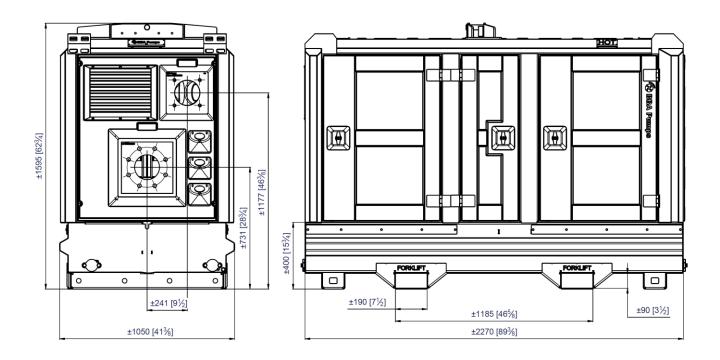
Fuel tank cap100 mm (4 inch)

Forklift pockets.....Fitted with 2 forklift pockets Lifting pointFitted with single lifting point

Connections......Please consult "auxiliary items" in overleaf Documentation box.....BBA user manual and warranty book

BBA E-lift[©] system

The M10-23X canopy has been fitted with the BBA E-lift® system. By removing the roof panel, the pump and diesel engine as a whole can be removed from the canopy effortlessly allowing easy preventative maintenance on the pump and diesel engine. In addition, as the canopy is not fitted with padding or insulation materials, it can be cleaned quickly using a pressure washer.



Actual dimensions (in mm & inches) may vary depending on selected quick couplings.







Semi-open impeller Corrosion and abrasion resistant pump impeller made of chrome moly (42CrM04) alloy.



Large inspection covers
Easy access to float box,
impeller and non-return valve.



Easy inspectionOil glasses, drain valves and fill plugs are all easily accessible.



Fuel tank
Fully bunded, corrosion-free,
300 liter, high-density
polyethylene (HDPE) fuel
tank, located in base of
canopy.



Safety
Extremely durable and lockable T-locks offering perfect grip.



4 Year limited warranty
The BBA limited warranty
covers years or operating
hours whichever occurs first.
For more details please
consult the BBA warranty
book.

Pump specifications are subject to change without prior notice to improve reliability or design.





AUXILIARY ITEMS

M10-23 Kit

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93050002	M10-23 Kit	
	- K0 Oil drain pump	
	- External fuel tank connections	
	- Battery kill switch	***



Discharge connections

Discharge conne	CHOIIS			T	
Art.nr.		Ø inch	Ø mm	Connection	
5080880	30°	4	100	Flange K180	
5080873	30°	6	200	Flange K295	
5080874	30° male (ball)	4	100	System C	
5080878	30° male (ball/lever)	4	100	System B	
5080876	30° female (cup)	6	150	System B	
5080881	30° male (ball/lever)	6	150	System B	
5080877	30° male (ball)	6	150	System C	
5080882	30° female (cup/lever)	6	150	System C	



Suction connections

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Art.nr.			Ø mm	Connection
5080893	30°	4	100	Flange K180
5080884	30°	6	150	Flange K240
5080891	30° male (ball)	4	100	System C
5080885	30° female (cup)	4	100	System B
5080889	30° female (cup)	6	150	System B
5080890	30° male (ball/lever)	6	150	System B
5080887	30° male (ball)	6	150	System C
5080888	30° female (cup/lever)	6	150	System C



Suction hose with strainer L=5 metre

Art.nr.	Ø inch	Ø mm	Connection
7047054	6	150	Flange K240
7047007	6	150	System B male (ball/lever)
7047037	6	150	System C female (cup/lever)



Suction hose with strainer L=6 metre

Art.nr.	Ø inch	Ø mm	Connection
7047055	6	150	Flange K240
7047008	6	150	System B male (ball/lever)
7047038	6	150	System C female (cup/lever)



Recommended suction pipe diameter (maximum velocity = 4 m/sec)

M3/H	US	FLOW	4"	5"	6"	8"	10"	12"
IVI3/II	gallons	(L/sec)	100	125	150	200	250	300
90	397	25	3.18	2.04	1.41	0.80	0.51	0.35
108	475	30	3.82	2.44	1.70	0.95	0.61	0.42
144	634	40	5.09	3.26	2.26	1.27	0.81	0.57
180	793	50	6.37	4.07	2.83	1.59	1.02	0.71
216	951	60	7.64	4.89	3.40	1.91	1.22	0.85
252	1110	70	8.91	5.70	3.96	2.23	1.43	0.99
288	1268	80	10.19	6.52	4.53	2.55	1.63	1.13

